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sonogram pulse correlation filter

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[PDF] General ultrafast **pulse** measurement using the cross-correlation ...

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The cross-correlation single-shot **sonogram** technique offers exact **pulse** ... resolution of the **filter** function used to record the **sonogram** trace [Fig. ...

www.phy.hw.ac.uk/resrev/ufast/ol29/644.pdf - [Similar pages](#)

Femtosecond and picosecond ultrafast optical **pulse** measurement

The **pulse sonogram** is measured by recording the intensity and arrival time of ... The **sonogram** can be measured using cross-correlation between the original ...

www.phy.hw.ac.uk/resrev/ufast/measurement.html - 13k - Aug 22, 2005 - [Cached](#) - [Similar pages](#)

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[PPT] PowerPoint プレゼンテーション

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In the **sonogram** measurement, the window function for frequency **filtering** is given.

The **pulse** ... **Sonogram**. Reconstructed **pulse**. Spectrum. Auto-correlation ...

www.ginjo.rcast.u-tokyo.ac.jp/members/tir/ppt/cleo01.ppt - [Similar pages](#)

[PDF] Single-shot **sonogram** generation for femtosecond laser **pulse** ...

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pulse. This **correlation** measurement would provide. us with a **sonogram** of the input ultrashort ... Illustration of the **filtering** of the ultrashort **pulse** ...

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[PDF] High-average-power, 1-MW peak-power self-mode-locked Ti:sapphire ...

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through the **filter** we generated the incident **pulse**. ... of measuring the **pulse sonogram** to investigate the. phase of the pulses. ...

ol.osa.org/ViewMedia.cfm?id=37122&seq=0 - [Similar pages](#)

Ultrafast Nanoscale Optics Group, University of California, San ...

... we discuss the modification of our interferometric **correlation** system in order to provide single-shot detection of a **sonogram** of an ultrashort laser **pulse**. ...

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[PDF] Single-shot generation of a **sonogram** by time gating of a ...

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of the **filter** function, $G \cdot FT G$. Therefore if the. gating **pulse** width is sufficiently ... ultrashort **pulse** amplitude and phase from a **sonogram**, " IEEE ... emerald.ucsd.edu/Publications/Docs/singleshot_timegating.pdf - [Similar pages](#)

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[PDF] Ultrashort **pulse** characterization using a scanning Fabry-Perot etalon

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pass **filter** for acquisition of a **sonogram** has been a grating- lens-mirror arrangement within a 2f ... **correlation** and FROG, the measurement of the **sonogram** ...

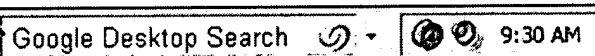
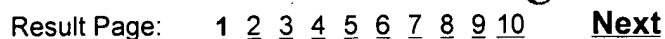
www.st-andrews.ac.uk/~wsquad/pubs/Favry%20perot%20sonogram.pdf - [Similar pages](#)

Note that the spectrogram and **sonogram** graphically follow the **pulse** ... and the **cross-correlation** of the selected slice with the input **pulse** is taken by ...

www.physics.gatech.edu/gcuo/OPN/OPN.html - 45k - Aug 23, 2005 - Cached - Similar pages

The **correlation** algorithm is very similar mathematically to convolution, ...
Design of the FIR **filter** coefficients used with SmoothCustom is most easily ...

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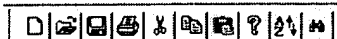
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1	BRS	L1	3592	pulse with (ultrashort or reconstruct\$)	US-PGPUB; USPAT	2005/08/24 09:39	
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3	BRS	L3	31481 7	correlat\$	US-PGPUB; USPAT	2005/08/24 09:40	
4	BRS	L4	75606 3	filter	US-PGPUB; USPAT	2005/08/24 09:41	
5	BRS	L5	640	1 and 3 and 4	US-PGPUB; USPAT	2005/08/24 09:14	
6	BRS	L6	3	2 and 5	US-PGPUB; USPAT	2005/08/24 09:12	
7	BRS	L7	10	1 same 3 same 4	US-PGPUB; USPAT	2005/08/24 09:16	
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11	BRS	L11	518	5 not (8 or 9 or 10)	US-PGPUB; USPAT	2005/08/24 09:26	
12	BRS	L12	96648 0	dut or cut or device under test or component under test	US-PGPUB; USPAT	2005/08/24 09:26	
13	BRS	L13	180	2 and 12	US-PGPUB; USPAT	2005/08/24 09:28	
14	BRS	L14	193	5 and 12	US-PGPUB; USPAT	2005/08/24 09:31	
15	BRS	L15	12	TAIRA-KENJI or KIKUCHI-KAZURO	US-PGPUB; USPAT	2005/08/24 09:32	
16	BRS	L16	380	pulse with (ultrashort or reconstruct\$)	EPO; JPO; IBM TDB	2005/08/24 09:39	
17	BRS	L17	9	sonogram	EPO; JPO; IBM TDB	2005/08/24 09:40	
18	BRS	L18	34263	correlat\$	EPO; JPO; IBM TDB	2005/08/24 09:40	
19	BRS	L19	24725 5	filter	EPO; JPO; IBM TDB	2005/08/24 09:42	
20	BRS	L20	0	16 and 18 and 19	EPO; JPO; IBM TDB	2005/08/24 09:43	
21	BRS	L21	0	17	EPO; JPO; IBM TDB	2005/08/24 09:43	

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